

**0208700780 LITTLE LICK CREEK ABOVE SECONDARY ROAD 1814 NEAR OAK GROVE, NC**

Neuse Basin  
Upper Neuse Subbasin

LOCATION.--Lat 35°59'11", long 78°47'58" referenced to North American Datum of 1927, Durham County, NC, Hydrologic Unit 03020201, on right bank 300 ft upstream from bridge on Secondary Road 1814, and 1.3 mi northeast of Oak Grove.

DRAINAGE AREA.--10.1 mi<sup>2</sup>.

**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--Water years 1983-87, 1989 to 1995, 2006, 2008.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1982 to September 1985.

WATER TEMPERATURE: October 1982 to September 1985.

INSTRUMENTATION.--Water-quality monitor from October 1982 to September 1985.

REMARKS.--Station operated to define water quality as part of a regional surface-water quality assessment.

COOPERATION.--Samples for October 1994 and April 1995 were collected by the North Carolina Department of Environment, Health and Natural Resources. A GC/FID scan for trace organic compounds was performed on these samples by the U.S. Geological Survey Water Quality Lab. Results may be obtained from the North Carolina Water Science Center, Raleigh, NC.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, >1,200 microsiemens, March 19, April 10, 1985; minimum recorded, <26 microsiemens, April 4, 5, 1984.

WATER TEMPERATURE: Maximum recorded, 27.0°C, Aug. 11, 1983; minimum recorded, 0.0°C, Feb. 7, 8, 9, 1984.

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 1 of 4

[Remark codes: <, less than; E, estimated.]

Date	Time	Instantaneous discharge, cfs (00061)	Color, water, fltrd, Pt-Co units (00080)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf 25 degC (00095)	Temperature, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
Sep 26...	0900	755	150	754	8.2	88	6.6	49	18.2	14	3.64	1.25	2.59

## 0208700780 LITTLE LICK CREEK ABOVE SECONDARY ROAD 1814 NEAR OAK GROVE, NC—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 2 of 4

[Remark codes: &lt;, less than; E, estimated.]

Date	Sodium, water, flt'd, mg/L (00930)	ANC, wat unf titr., field, mg/L as CaCO <sub>3</sub> (00419)	Bicar- bonate, wat unf titr., field, mg/L (00450)	Chlor- ide, water, flt'd, mg/L (00940)	Fluor- ide, water, flt'd, mg/L (00950)	Silica, water, flt'd, mg/L as SiO <sub>2</sub> (00955)	Sulfate water, flt'd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, unflt'd mg/L as N (00625)	Ammonia water, flt'd, mg/L as N (00608)	Nitrate + nitrite water flt'd, mg/L as N (00631)	Nitrite water, flt'd, mg/L as N (00613)	Ortho- phos- phate, water, flt'd, mg/L as P (00671)
Sep 26...	2.28	11.0	13.4	2.43	<.12	4.81	3.28	48	.97	.038	.149	.005	.085

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 3 of 4

[Remark codes: &lt;, less than; E, estimated.]

Date	Phos- phorus, water, unflt'd mg/L as P (00665)	Organic carbon, water, flt'd, mg/L (00681)	Organic carbon, water, unflt'd mg/L (00680)	Alum- inum, water, unflt'd recover- able, µg/L (01105)	Arsenic water, unflt'd µg/L (01002)	Cadmium water, unflt'd µg/L (01027)	Chrom- ium, water, unflt'd recover- able, µg/L (01034)	Cobalt water, unflt'd recover- able, µg/L (01037)	Copper, water, unflt'd recover- able, µg/L (01042)	Iron, water, unflt'd recover- able, µg/L (01045)	Lead, water, unflt'd recover- able, µg/L (01051)	Mangan- ese, water, unflt'd recover- able, µg/L (01055)	Mercury water, flt'd, µg/L (71890)
Sep 26...	.271	9.8	15.1	1,680	1.8	<.01	2.4	1.4	5.7	2,020	4.56	139	<.010

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 4 of 4

[Remark codes: &lt;, less than; E, estimated.]

Date	Mercury water, unflt'd recover- able, µg/L (71900)	Molyb- denum, water, unflt'd recover- able, µg/L (01062)	Nickel, water, unflt'd recover- able, µg/L (01067)	Selen- ium, water, unflt'd µg/L (01147)	Silver, water, unflt'd recover- able, µg/L (01077)	Zinc, water, unflt'd recover- able, µg/L (01092)	Sus- pended sedi- ment concen- tration mg/L (80154)
Sep 26...	.012	E.1	2.5	.12	<.02	11.4	138